Mercurius Cœlicus 4.

HIS

PROGNOSTICATION

For the Year of our Lord God, 1663.

Being the third after Biſſextile or Leap-Year.

Wherein is contained

A deſcription of the Eclipſes, the exact day hour and minut of the New Moons, her full and quarters, the daily diſpoſition of the Weather: With the (whole known) Fairs in *Scotland*. A Table ſhewing the age of the Moon every day: As alſo the hour and minut of full Sea at *Leith*, and exact time of the Suns riſing every fifth day.

Exactly calculated for the Latitude of 56 d. 20. m.

By *JAMES CORSS* Mathematician.

Eſt in Mercurio quicquid quærunt ſapientes.

EDINBURGH,
Printed by a Society of *Stationers*, 1663.

A brief Computation of Memorable things to this preſent year of God, 1663.

Since	The Creation of the World		5612
	The general Deludge		3956
	Fergus the firſt King of *Scotland*		1991
	The death of *Alexander* the great		1986
	The Chriſtian faith was received in *Scotland*	}	1453
	The invention of Guns		283
	The invention of Printing		220
	Glaſgow's Colledge was builded by Reverend Biſhop *Turnbul*	}	208
	The Birth of King *Charles* the	First	63
		Second	33
	The Martyrdom of King *Charles I.*		15
	King *Charles* was Crowned at *Scoon*		13
	The great fire in *Glaſgow.*		11

Common or vulgar Notes this Year, 1663.

THe Golden Number	15.
The Epact	1
Dominical Letter	D
The Cycle of the Sun	20
Faſtens Even	*March* 3
Aſcenſcion day	*May* 28
Whitſunday	*June* 7

Of

Of the Eclipſes 1663.

THere will be four Eclipſes this Year 1663. *viz.* two of the Sun, inviſible, and two of the Moon, viſible.

The firſt is an Eclipſe of the Moon, the 12 day of *February*, in the morning, about 10 digits eclipſed, it will be viſible in our Horizon, if clouds hinder not: The calculation whereof, is ſuccinctly demonſtrated in my *Ephemeris* for this Year 1663.

The ſecond is an inviſible Eclipſe of the Sun, the 27 of *February* in the afternoon, it will be viſible to the inhabitants of the ſouth parts of the earth, unknown to us.

The third is a viſible Eclipſe of the Moon, on Saturday, the 8 of *Auguſt*, almoſt 12 digits eclipſed. See my *Ephemeris*, &c.

The fourth is an inviſible Eclipſe of the Sun, upon *Auguſt* the 22 day, in the evening, it will be ſeen of the Inhabitants of *Nova Francia*, and parts adjacent: But becauſe it is inviſible to us, I ſhall ſay no more of it.

There happeneth a notable Conjunction of the two Superiour Planets this Year, *Saturn* and *Jupiter*, the 10 of *October* about noon, in the 13 deg. 33 min. of *Sagittary*. I requeſt all that affect the noble ſervice of *Urania*, and are accommodate with fit Inſtruments, to be diligent in obſerving the beginnings, durations, and end of theſe viſible Eclipſes, and the Conjunction of *Saturn* and *Jupiter*, and to communicate the ſame, which will conduce much to the further reſtauration of *Aſtronomy*.

The exact time of the Suns ingreſs into the four Cardinal Points this Year 1663.

			d.	h.	m.	
The Sun enters	*Aries*	March	10	00	7	Poſtmeridiem.
	Cancer	June	11	3	00	
	Libra	Septemb.	13	5	56	
	Capricorn	Decemb.	11	5	45	

The exact day, hour and minut of the New Moon, her Full and Quarters: the daily diſpoſition of the weather; With the whole known Fairs of *Scotland* for the Year 1663.

xxxi. January begins on Thurſday.

Firſt quarter 6 day, 21 min. paſt 7 at night.
Full moon 13 day, 22 min. paſt 1 in the afternoon.
Laſt quarter 21 day, 59 min. paſt 4 in the morning.
New moon 29 day, 21 min. paſt 3 in the morning.

The 1 2 3 dayes cold winds, 4 5 and 6 froſt, 7 8 9 inclining to wet, with ſnow, 10 11 and 12 more temperate, 13 14 rains and winds, 15 16 17 18 19 kindly weather, the 20 21 22 23 change of weather, thence to the end of the month ſeaſonable.

The firſt Fair in the year, is S. Naughlans, at the Kirk of Bethelny, in Gerry, upon the 7 day. S. Mungo in Glaſgow the 13 day a Fair, And at Dunkel, and Kilwinning, the 21 day.

xxviii. Febʒuary begins on Sunday.

Firſt quarter 5 day, 20 min. paſt 3 in the morn.
Full moon 12 day, 58 min. paſt 2 in the morn.
Laſt quarter 20 day, 49 min. paſt 1 in the morn.
New moon 27 day, 41 min. paſt 4 in the aftern.

The 1 and 2 dayes ſnow, 3 to 7 froſt, from 8 to 13 very temperate, thence to the 17 gloomy dark weather, 18 19 rain, 20 21 ſtormy blaſts

22 23, 24, 25 high winds, and from 25 to the end more calm and temperate.

At Abernethy and Forres in Murrayland, called S. Brides day, 1. On Candlemasse day in Bamff, Dunkell, Dingwall the 2. day. And at Forfar the 15 day, holding eight dayes. Ashwednesdayes Fair beginneth on Fastens even.

xxxj. March begins on Sunday.

First quarter 6 day, 31 min. past 10 in the morn.
Full moon 13 day, 52 min. past 5 at night.
Last qnarter 21 day, 53 min. past 8 at night.
New moon 29 day, 13 min. past 3 in the morn.

From the 1 to the 4 fair, 5 6 7 windy and cloudy, thence to the 10 fairer weather, from 10 to 15 cold, from 15 to 17 rain, from 17 to 25 more temperate, and the rest dry winds.

S. Monnence in Aberd. Dumfer. Abercherder, and S. Marnoch Kirk the 1 day, at Pettenwem 3. S. Duthos in Tain of Ross the 9 day, in Auchtertuil the 10 day, S. Causnan the 11 day, S. Patrick in Dumbartan, and at the Kirk of Strageeth the 16 day, in S. Johnstoun the 19 day, Cuthbert in Longtoun of the Mers the 20 day, Lady day in West-weems: Bamff, and Auchtermuchty the 25 day, Palmsunday at the Kirk of Forrig, and in S. Johnstoun, and Skyerthursday fair is upon thursday before Good-friday, at Cowper of Angus: Otherwise, Monks Cowper. (Easter day is the 30 of March this Year 1663.) The first Tuesday after Easter, there is a fair in Carstarphin, and on the first Wednesday after Easter, there is a race to be run for a Cup of Ten Pound Sterling pryce.

xxx. April begins on Wednesday.

First quarter 4 day, 5 min. past 6 at night.
Full moon 12 day, 24 min. past 9 in the morn.
Last quarter 20 day, 54 min. past noon.
New moon 27 day, 29 min. before noon.

From the 1 to the 7 fair, from the 7 to the 13 pleasant springing showrs from the 14 to the

23 lowring, with cold winds, thence to the end of the moneth moze kindly weather.

S. Donald fair at the Kirk of Achtheles 17 day, Mark Evangel in Dyſert the 23 day, Beltan day the firſt, the 26 day, a fair at Leaven the 29 day, and in Kilreny the 30 day.

Whiles in March, and whiles in April.

Skirethurſday before Paſch, in Glaſgow, Dumbartan, Cowper of Angus, Elgin of Murray, Paſchmunday in Cowper of Fife, Lanerk, and Irwing, Lowſunday after Paſch in Killimore, and all the week after at the Senzie of Saint Andrews.

xxxi. May begins on Friday.

Firſt quarter 4 day, at 3 hours in the morn.
Full moon the 12 day, 58 min. paſt midnight.
Laſt quarter 20 day, 22 min paſt 1 in the morn.
New moon 26 day, 30 min. paſt 6 at night.

Tempezate weather to the 7 day, warm rains now and then to the 13 day, 14, 15, 16, and 17 fair and hot, the reſt growing and ſeaſonable.

The firſt day of May, called S. Philip, a fair in the Grange within the Sheriffdom of Linlithgow.

Holy-Croſſe day, the ſecond Beltan, in Monroſſe, Kinrocher and in Pebles the 3 day, at Bamff the 16 day, and in Sterling a fair, 10 dayes before Whitſunday.

Whiles in May, and whiles in June.

Whitſonmonday in Glaſgow, Dumbarton, Lanerk, and Jedburgh, Whitſon-tueſday, called Pardon day, in the Chanry of Roſſe, and at the Kirk of Ninians above Kirkcady. Trinitymonday in Edinburgh and Brichin 8. dayes, in S. Andrews one day, in Bruntiland one day. Trinity thurſday in Falkland.

xxx. June begins on Monday.

Firſt quarter 2 day, 51 min. paſt 1 in the aftern.
Full moon 10 day, 58 min. paſt midnight.
Laſt quarter 18 day, 53 min. paſt 10 in the morn.
New moon 25 day, 26 min. paſt 1 in the morn.

Fair

Fair and pleasant weather to the 9 day, from 9 to 19 warm winds, with dissing showrs, and from thence to 27 day, the rest of the moneth hot and warm.

A fair in Kinross the first tuesday of June. A fair in Stramiglo and Aberdour the 6 day, and at Ennerkeitging the same sixth day. A weekly mercat in Forfar, beginning the 8 of Iune, of Neat, Sheep, Horse, and other, &c. containing till the first of Octob. the 10 day, a fair in Forgondeny, S. Barnabie in Lawder and Dysert 11 day, S. Margaret in Abernethie, Ceres in Fife 13 day, Midsummer on S. Johns day in S. Johnstoun five dayes, in Aire four dayes, in Wigton, Bamff and Athelston 14 day, in Auchtertuil the 15 day, and at Moffet the 18 day, S. Margaret in Dumfermling, in Earlestoun the 19 day, Midsummer day in Forres, the 24 day, in Alathy, in Angus, called S. Emagola, the 25 day, S. Peters day at Forfar the 26 day, holding four dayes. As also in Faulkland, Bruntiland, Bamff, and Kelso 26 day, in Pebles 29 day, S. Serif fair, the last tuesday of this month, S. John Baptist day, a fair in Fraserburgh 24 of June.

xxxi. July begins on Wednesday.

First quarter 2 day, 5 min. past 3 in the morn.
Full moon 10 day, 27 min. past 6 in the morn.
Last quarter 17 day, 45 min. past 5 in the aftern.
New moon 24 day, 21 min. past 9 in the morn.
First quarter 31 day, 50 min. past 6 in the aftern.

Fair and hot to the 7 day, from thence to 12 dark weather with some thunder, from 12 to 20 some winds and rain, and to the end of the month fair and pleasant weather.

Culros the 1 day, Abernethie and Auchtermughtie 2 day, S. Martine of Bulzeon 4 day, S. Thomas 5 day, S Palladius in Forden in the Mernes 6 day, S. Andrew in Glasgow the 7 day, Kilwinning the 12 day, the 13 Saint Margaret in Kilimure, 6 dayes at the Kirk of Forrig, the third tuesday in this moneth a fair in Stirling the 20 day, Mary Magdalene in Linlithgow, Pettenweem, and Path-head 22 day, in Airth

th

the 24 day. S. Accriſtiana in Carſtarphin a fair, the ſame 24 day. S. James in Forfare, Cowper of Fife, Lanerk, and Roxburgh, Kinghorn, and in Muſſelburgh, 25 day.

xxxj. Auguſt begins on Saturday.

Full moon 8 day, at 8 hours at night.
Laſt quarter 15 day, 37 min. before midnight.
New moon 22 day, 11 min. paſt 7 at night.
Firſt quarter 30 day, 41 min. paſt (high) noon.

Fair and good ripening weather to the 9 day, hot winds to the 15 day, from 15 to the 23 good harveſt weather, from the 23 to 27 ſmal rains, the 28 29 30 31 fair and pleaſant.

Lambmaſday in Atturſe 3 dayes long, and in Melrois, Ennerkething, S. Andrews, and in Dumbartan the 1 day, Laurance fair in Rane, the firſt tueſday and thurſday after in Falkland, S. Lawrence in Selkirk, Auchtermuchty and in Forres 10 day, in Rane, 2 dayes before Kitmahug, and at the burn of Campſie, Lady day in Dundee and Bamff, in Mernes 15 day, Bartholomew Apoſtle in Linlithgow, Kinkarn of Neill, and in Clackmannan, and Peebles the 24 day, Saint Zepharimus in Carſtarphin the 26 day, a fair. Samarevis day in Forres 27. and S. Johns day in S. Johnſtoun the 29 day.

xxx. September begins on Tueſday.

Full moon 7 day, 30 min. paſt 8 in the morn.
Laſt quarter 14 day, 4 min. paſt 5 in the morn.
New moon 21 day, 37 min. paſt 7 in the morn.
Firſt quarter 29 day, 54 min. paſt 8 in the morn.

Temperate weather to the 6 day, from thence to the 13 more variable, 13 and 14 windy, from 14 to 17 rainy weather, and from 17 to 28 dry and fair, 29 30 exceeding cold.

Saint Giles in Elgin 1 day, in Moffat the 2 day, in Skirlin the 4 day, Latter Lady day in Sterling, Dundee and Bamf 8 day, Rude day in Carill, Jedburgh, Dumfermling Dumfreis,

Dumfreis, and Athelſton 24 day, in Auchtertuil and Salane the 11 day. A fair at Forfar the 15 day, holding eight dayes. Matthew Apoſtle in Linlithgow 21 day, A fair at Leven the 27 day, Saint Michael in Hadington, Leſlie, Aire, S. Andrews, Crief, and Kirkubright, and at the Kirk of Forrig the 29 day: S Jerome in Bamff the laſt day.

xxxj. October begins on Thurſday.

Full moon 6 day, 54 min. paſt 7 at night.
Laſt quarter 13 day, 15 min. paſt noon.
New moon 20 day, 53 min. paſt 10 at night.
Firſt quarter 29 day, 10 min. paſt 3 in the morn.

This month begins with froſt to the 5 day, from 5 to the 11 moze warm, 12 13 14 and 15 intemperate, cloudy and rainy, from 15 to the 25 indifferent fair, the reſt inclining to winds.

The 1 2 and 3 a fair in Salt Preſton, S. Francis in Abernethy the 4 day, Dionſe in Peebls, Earlſton, Kirkintilloch, Aiton, Auchtermuchty, Ceres in Fife, and in Killimure the 9 day, Dalkeith and Tullibol 10 day, at Ennerkeithing the 12 day, Fenduck at Dunning 13 day, in Forgondennie 15 day, S. Luke in Lauder, Kinroſs and Rugland 18 day, S. Irena in Carſtarphin the 20 day, a fair. Mary *Salamine in Sterling and Kelſo 22 day, A fair at Forſar the 24 day, holding eight days, in Linlithgow 24, in Kilreny, and Stramiglo 25, Fowles fair in Paſley, and Falkirk 26 day, Simon and Jude in Dyſert, Falkirk, Cockany, and Kirkliſton 28 day, in Alloway 29 day.*

xxx. November begins on Sunday.

Full moon 5 day, 33 min. paſt 6 in the morn.
Laſt quarter 11 day, 9 min. paſt 10 at night.
New moon 19 day, 39 min. paſt 4 at night.
Firſt quarter 27 day, 39 min. paſt 8 at night.

The 1 2 3 nipping froſts, from 3 to 8 thaw, 9 10 11 ſome ſnow, with ſeveral ſhowrs of rain, thence to 16 moze temperate, 17 18 19 20 raw froſt, and from 20 to 27 fair, the reſt rainy.

Hallowday

Hallowday in Edinburgh 8 *dayes, in Faulkland, Dumblane, Fordyce* 1 *day, in Alythie* 2 *day, in Kilwinning* 3 *day, S Leonard in Lanerk, in Forres* 6 *day, S. Matth. in Dumbar, Melrois, Mattinskirk, Strabogie, Cowper of Fife, Hamilton, Culrosse, Kilmahug* 11 *day, S. Clement in Dundie* 13 *day, Margaretmesse in Dumfermling* 16 *day, S. Machharmuch in Tane and Auchtertuil* 22 *day, Bruntiland* 23. *S. Andrew in S. Johnstoun, Peebles and Chirnside* 30 *day.*

xxxj. December begins on Tuesday.

Full moon 4 day, 51 min. past 4 at night.
Last quarter 11 day, 57 min. past 10 in the morn.
New moon 19 day, 3 min. past noon.
First quarter 27 day, 11 min. past 11 in the morn.

The 1 2 3 rainy, the 4 5 6 7 fair, 8 9 10 11 temperate, 12 13 14 frost, 15 16 cold winds, thence to 20 strong frost, from 20 to 25 blustring thaw winds, the rest of the moneth fair and seasonable.

Saint Nicolas in Aberdene 7 *day, Lady day in Westweems* 8 *day, S. Dustane in Bamff, and at the Kirk of Dieve* 14 *day, S. Cuthbert in the Grange, within the Sherifdom of Linlithgow the* 17 *day, S. Thomas in Glasgow the* 15 *day, S. Johns day in Bamff, in Forres* 27 *day.*

The use of this Table is this; With the 5, 10. 15. 20. 25. or 30. day of your moneth, enter this Table, finding the days on the top, & months on the Margent, and in the common Angle, you have the exact time of the Suns rising for the saids day, and by the rule of proportion, for any other intermediate day.

Example, I desire to know the exact time of the Suns rising the 15 day of *March*: I look in the Table, and I find that the Sun rises 48 min. past 5. In like manner the 25 day of *March*, he riseth 24 min. past 5 in

in the morning. The 25 of *April* 15 min. past 4 in the morning, &c.

If you desire to know the time of the Suns rising for any other intermediate day, take the difference and work by the Golden Rule, and you shall find the proportionable part to be added.

If you desire to know the time of Sun setting, substract the time of Suns rising from 12 hours, and the remainder will be the time of the Suns setting.

Lastly, if you would have practical Examples upon each of these precepts, I refer you to the 22 Chapter of my *Uranoscopia* lately emitted, where you shall receive Plenary satisfaction concerning the premisses.

A Table shewing the exact time of the Suns rising every fifth day, exactly calculated for the Latitude of 56. degrees, 20. min.

Names of the Months.	The dayes of each Moneth. 5 day	10 day	15 day	20 day	25 day	30 day
Ianuary	8 21	8 12	8 3	7 53	7 42	7 29
February	7 18	7 6	6 55	6 43	6 31	
March	6 12	6 0	5 48	5 36	5 24	5 10
April	4 58	4 48	4 36	4 26	4 15	4 5
May	3 55	3 47	3 39	3 32	3 26	3 21
Iune	3 18	3 17	3 18	3 23	3 23	3 28
Iuly	3 35	3 42	3 50	3 59	4 9	4 19
August	4 32	4 42	4 54	5 5	5 17	5 28
September	5 42	5 54	6 3	6 17	6 29	6 41
October	6 52	7 4	7 16	7 27	7 38	7 49
November	8 1	8 11	8 20	8 27	8 34	8 39
December.	8 42	8 43	8 42	8 40	8 36	8 31

Time of the Suns rising in hours and min.

Having

Having (thus) found the time of the Sun setting, if you double the same, you shall have the length of the day, whose complement to 24 hours is the length of the night.

Of Measures.

YOu must know that three Barley corns (dry and round, and joyned end to end) do make an Inch; ---12 such Inches makes a Foot, ---three of those Feet makes the Statute Ell of *Edinburgh*; Six of those Ells makes a Fall, 40 Falls in length, and 4 in bredth makes an *Scottish* Acre.

By the Foot, we measure Timber, Board and Glass, 144 square Inches makes one Plain or flat Foot: But a solid foot (that is 12 Inches broad, 12 Inches long, and 12 Inches deep) contains 1728 cubical or squar Inches.

He therefore that would measure any Timber, Board or Glasse exactly, would have a Rule exactly divided into Inches, and those Inches subdivided into 12 smaller parts: ----Your Rule thus divided and prepared, consider the bredth of the Timber, Board or Glasse, if it be just 12 Inches in bredth, then it requireth 12 Inches also in length to make a compleet square Foot: But if the bredth be either more or lesse then 12 Inches then the required length is not so easily found without Arithmetick: And therefore, suppose a peece of Timber, Board, or Glasse were found to be 9 Inches in bredth; I demand how many Inches in length will such a bredth require to make a compleet foot? To resolve this (and all such like) Questions, divide alwayes 144 Inches (which is the number of Inches contained in a Foot) alwayes by the bredth of the Timber, Board, or Glasse, and the Quotient will shew you the exact length (in Inches to the bredth. *Example*,

Individe 144 by 9 (which is the Inches of the bredth) and the Quotient is 16 Inches for the length: so I conclude, that if the Timber or Glasse, &c. be 9 Inches in bredth, it requires 16 Inches in length to make a compleet Foot, you are to understand the like in all cases: But because many that (ingeniously desire the knowledge and practice of Measuring) are not sufficiently experienced in Arithmetick, I have for their sakes, and greater facility added this Table; Whose use is as followeth.

Bredth in Inches.	Length in Inches.	Parts of Inches
1	144	0
2	72	0
3	48	0
4	36	0
5	28	9
6	24	0
7	20	7
8	18	0
9	16	0
10	14	5
11	13	1
12	12	0
13	11	1
14	10	3
15	9	7
16	9	10
17	8	5
18	8	0
19	7	7
20	7	2
21	6	10
22	6	6
23	6	3
24	6	0

Find the bredth of your Board, or Glasse, &c. in the first Column towards the left hand, and over against the same, in a right Line you have the length of a Foot in Inches and parts of Inches.

Example, Against 4 Inches of bredth, is placed 36 Inches in length, to make a foot. Also if the bredth be 10 Inches against it, you find that the length must be 14 Inches, and 5 parts of an Inch for a foot.

Likewise, against 20 Inches in bredth, is 7 Inches and 2 parts for a foot, and so of all the rest.

I could be more ample herein, had I more time, but

but what is now omitted, by reaſon of my many Engagements, ſhall be (God willing) ſupplied the next Year. In the mean time, ſuch as deſire further ſatisfaction in the premiſes (or what follows) may take notice, That theſe Mathematical (or liberal) Arts and Sciences following, are taught at my houſe (and abroad at prefixed times) in the head of *Robertſons* Cloſſe, near the Lady *Yeſters* Church in *Edinburgh*.

Arithmetick in ſeveral kinds, *viz. Natural*, *Aſtronomical*, and that (admirable and more then mortal) Invention of *Logarithms*, firſt invented by the thrice Noble and Illuſtrious Lord, *John* Lord *Neper*, Barron of *Marchiſton*, &c. in *Scotland*.

Horometria, or the Art of Dyaling, teaching how to draw all ſorts of Sun-dials eaſily and ſpeedily, upon any place howſoever ſcituate, *&c.*

Geometry, ſhewing how to take the diſtances of Cities, Towns and places: to find the heighth of Hills, Steeples, Caſtles, Towers, to ſurvey Grounds, and meaſure Solidities, and Superficies, together with Fortifications, *&c.*

Aſtronomy, ſhewing how to reſolve all manner of Queſtions, tending to the Diurnal motions, and how to calculate the true places of all the Planets and fixed Stars: to erect Celeſtial Schems or Figures for any time aſſigned, to calculate the Eclipſes of the Luminaries for any time paſt, preſent or to come, *&c.*

The uſe of this Table is this. Firſt find the age of the Moon on the other ſide, with which age of the Moon, enter this little Table, you ſhall (by inſpection only) know the hour and min. of full ſea or high water at *Leith*. *Example*, The 15 day of *July*, 1663.

I find the age of the Moon in the ſucceeding Table 20 dayes old. With this 20. I enter this little Table, and I find the ſame age of the Moon 20. and under it 5. 56. *viz.* 5. hours, 56. min. ſignifying that 56 min. paſt 5 in the morning (or afternoon) the 15 day of *July*, it will be full ſea at *Leith*.

A Table ſhewing the hour and minut of high Water at *Leith* for every day of the Moons age, increaſing or decreaſing.

Moons Age.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
Full ſea at Leith in h.& m.	2	3	4	5	5	6	7	8	9	9	10	11	12	1	1
	44	32	20	8	56	44	32	20	8	56	44	32	20	8	56

Another Example, I demand the time of full Sea at *Leith* the 26 day of *October*, 1663. On which day (by the ſucceeding Table) I find the Moon 6 dayes old, which I ſeek in this ſmall Table, and underneath it is 6 44. that is, 44 min. paſt 6 in the morning (or evening) the 26 of *October*, 1663. It is high Water or full Sea at *Leith*. ——— More Examples (in a thing ſo plain) were but ſuperfluous.

Here note, that every 12 hours, it is full Sea or high Water at *Leith*. As alſo, that every Tide alters 24 min. of Time, ſo that the afternoons Tide is 24 minuts latter then the mornings Tide.

Such Cities and Towns as have lately procured new Fairs, and made them known to me, I have here inſerted them.

A ready Table ſhewing the Age of the Moon every day throughout this year, 1663.

The Dayes of the MONETHS.	January	February	March	April	May	June	July	August	Septemb.	October	Novemb.	Decemb.
1	2	3	2	4	4	6	6	8	10	10	12	12
2	3	4	3	5	5	7	7	9	11	11	13	13
3	4	5	4	6	6	8	8	10	12	12	14	14
4	5	6	5	7	7	9	9	11	13	13	15	15
5	6	7	6	8	8	10	10	12	14	14	16	16
6	7	8	7	9	9	11	11	13	15	15	17	17
7	8	9	8	10	10	12	12	14	16	16	18	18
8	9	10	9	11	11	13	13	15	17	17	19	19
9	10	11	10	12	12	14	14	16	18	18	20	20
10	11	12	11	13	13	15	15	17	19	19	21	21
11	12	13	12	14	14	16	16	18	20	20	22	22
12	13	14	13	15	15	17	17	19	21	21	23	23
13	14	15	14	16	16	18	18	20	22	22	24	24
14	15	16	15	17	17	19	19	21	23	23	25	25
15	16	17	16	18	18	20	20	22	24	24	26	26
16	17	18	17	19	19	21	21	23	25	25	27	27
17	18	19	18	20	20	22	22	24	26	26	28	28
18	19	20	19	21	21	23	23	25	27	27	29	29
19	20	21	20	22	22	24	24	26	28	28	30	30
20	21	22	21	23	23	25	25	27	29	29	1	1
21	22	23	22	24	24	26	26	28	30	1	2	2
22	23	24	23	25	25	27	27	29	1	2	3	3
23	24	25	24	26	26	28	28	1	2	3	4	4
24	25	26	25	27	27	29	29	2	3	4	5	5
25	26	27	26	28	28	30	1	3	4	5	6	6
26	27	28	27	29	29	1	2	4	5	6	7	7
27	28	29	28	30	1	2	3	5	6	7	8	8
28	29	1	29	1	2	3	4	6	7	8	9	9
29	30		1	2	3	4	5	7	8	9	10	10
30	1		2	3	4	5	6	8	9	10	11	11
31	2		3		5		7	9		11		12

The dayly age of the Moon this Year, 1663.

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